

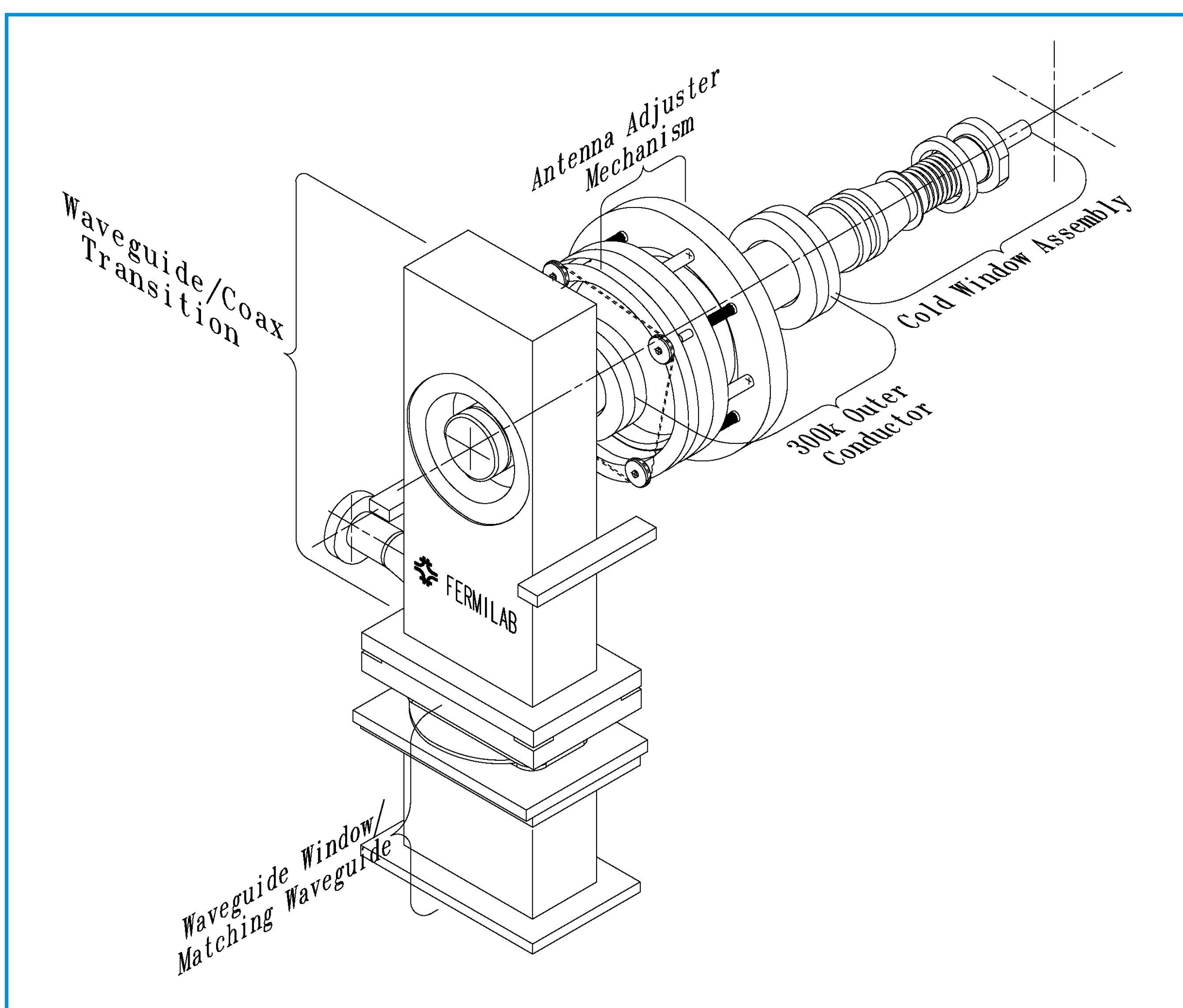
Input Couplers

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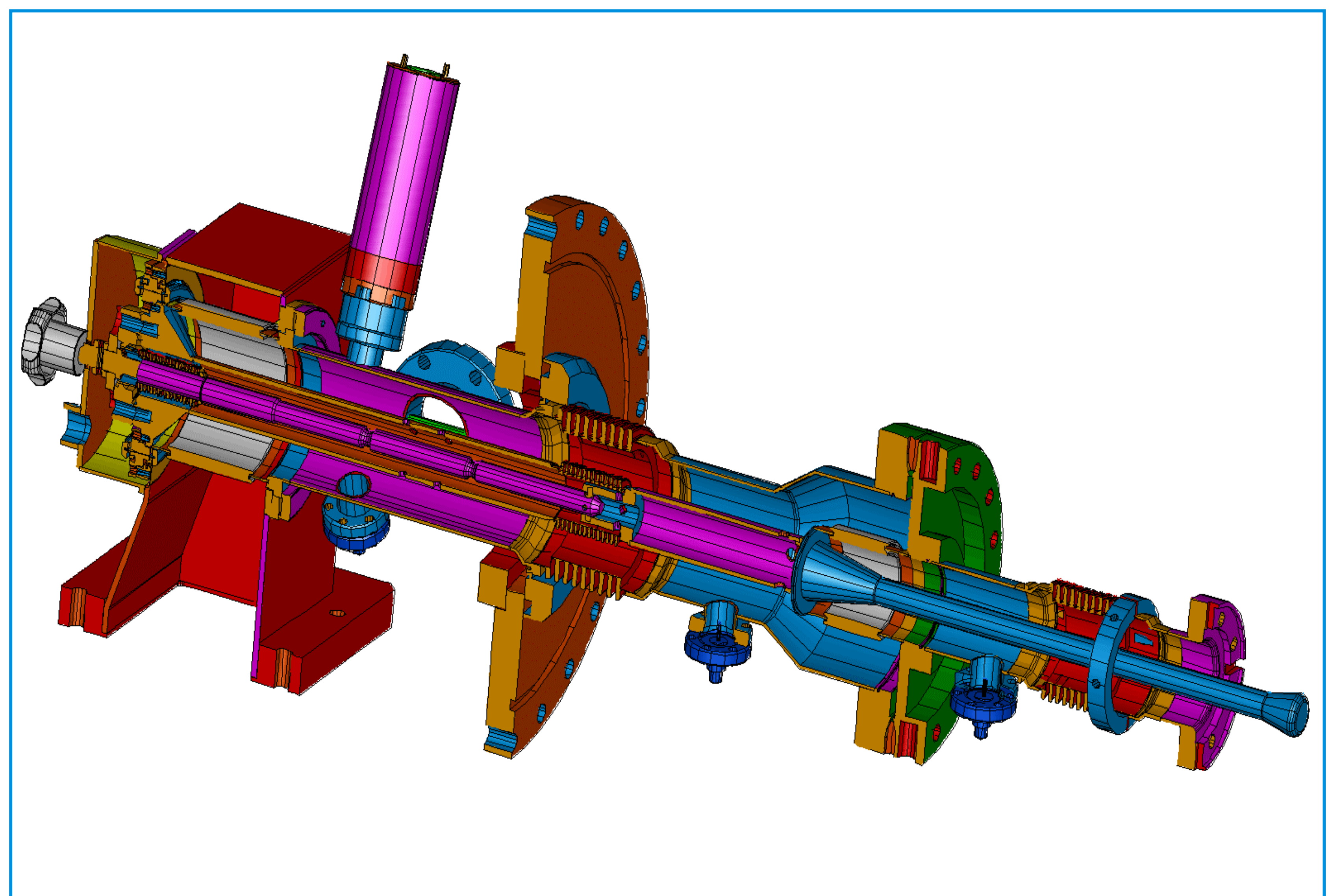
Input Coupler is a critical auxiliary component.
Essential effort of several collaborators.

Pulsed Power Requirements:

- | | |
|---------------------------------|-------|
| 1. TESLA-500 (9-cells cavities) | 230kW |
| 2. TESLA-800 (9-cells cavities) | 500kW |
| 3. TESLA-500 (superstructure) | 440kW |
| 4. TESLA-800 (superstructure) | 700kW |



FNAL coupler design



DESY TTF III coupler design

Coupler test results:

Maximum Pulsed Power 1500kW